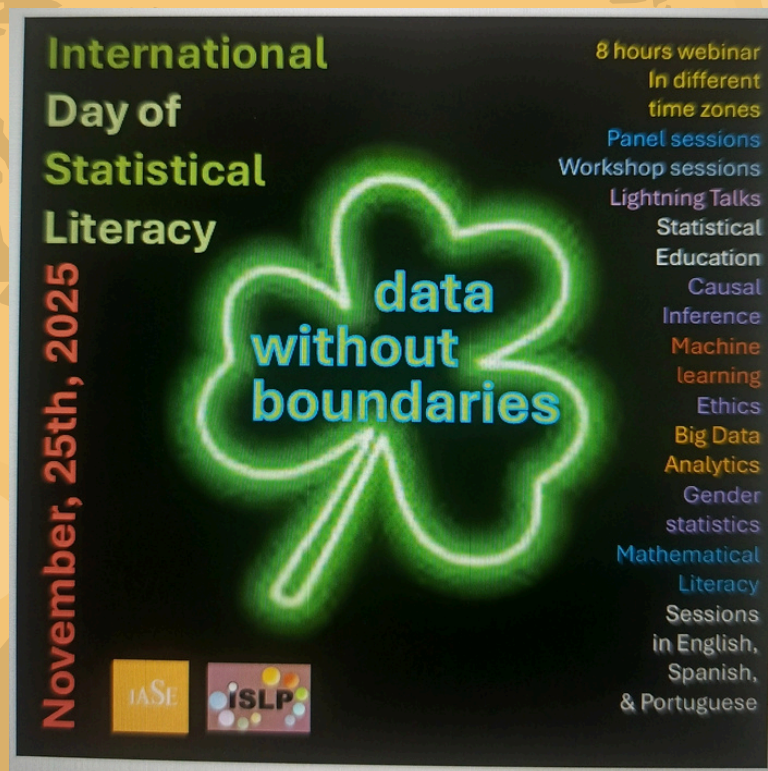




INTERNATIONAL DAY OF STATISTICAL LITERACY 2025

25 NOVEMBER 2025, 10 AM TO 6 PM UTC (COORDINATED UNIVERSAL TIME)

A FREE online conference full of interesting presentations, panel discussion, and lightning talks.



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IDSL 2025

PROPOSED PROGRAM

Session	Time (UTC)	Activity	Session Chair
1	10:00 am to 10:08 am (08 min)	Welcome Address by Reija Helenius (Director ISLP)	Dr. Saleha Naghmi Habibullah (Conference Chair) (Deputy Director ISLP)
2	10:08 am to 10:40 am (32 min)	INVITED TALK Statistical Literacy: A Key to Responsible Citizenship by Prof. Ayse Aysin Bilgin	Dr. Irena Ograjensek (Deputy Director ISLP)
3	10:40 am to 11:10 pm (30 min)	Assessment of Statistical Literacy at Secondary School Level in Indonesia by Dr. Achmad Badrun Kurnia (Indonesia)	(Deputy Director ISLP) Dr. Pedro Campos (Conference Vice-Chair)
4	11:10 am to 11:35 am (25 min)	Statistics Literacy as a Lever to improve Gender Statistics by Dr. Salahideen Alhaj (Saudi Arabia)	Dr. Faryal Shabbir (Country Coordinator, Pakistan)
5	11:35 am to 12:00 pm (25 min)	Teaching Statistical Concepts in Mathematical Literacy: The South African Context by Mr. Motimedi Sekhobela	Dr. Irena Ograjensek (Deputy Director ISLP)
6	12:00 pm to 12:25 pm (25 min)	<i>Session in French</i> Teaching Statistics and Statistical Literacy in Francophone Africa: Progress, Opportunities and Challenges by Mrs. Francoise Nyandwi	Ms. Dorcas Kareithi (Country Coordinator, Kenya)
7	12:25 pm to 01:07 pm (42 min)	LIGHTNING TALKS related to Statistical Literacy (4 to 6 minutes each)	Dr. Saleha Naghmi Habibullah (Conference Chair) (Deputy Director ISLP)
8	01:07 pm to 01:35 pm (28 min)	Navigating the Uncertainty: Innovations in Bayesian Methods and Their Applications in Big Data Analytics by Dr. Isaac Fwemba	Prof. Chigozie Kelechi Acha (Country Coordinator, Nigeria)
9	01:35 pm to 02:05 pm (30 min)	Invited Panel Discussion Session The Use of Artificial Intelligence in Teaching and Learning of Statistics Panelists: Mauren Porciúncula, Pedro Campos	Dr. Irena Ograjensek (Deputy Director ISLP)
10	02:05 pm to 02:30 pm (25 min)	Harnessing the Power of Machine Learning: Advances in Causal Inference for Data-Driven Decision Making by Dr. Godday Ebuh	Dr. Chioma Nwosu (Country Coordinator, Nigeria)
11	02:30 pm to 03:10 pm (40 min)	<i>Session in Spanish/Portuguese</i> Activities to promote Statistical Literacy in Latin America Dr. Liliana Mendoza, Dr. Gabriela Castro, Dr. Hector Hevia	Dr. Adriana D'Amelio Deputy Director ISLP (Argentina)
12	03:10 pm to 03:35 pm (25 min)	<i>Session in Spanish</i> Ethics in Statistical Education by Prof. Teresita Teran	Dr. Mauren Porciúncula (Country Coordinator, Brazil)
13	03:35 pm to 04:00 pm (25 min)	False Discoveries and True Understanding: A Friendly Introduction to False Discovery Rates for Everyday Decision-Makers by Dr. Isaac Dialsingh (Country Coordinator, The Americas)	Dr. Teresita Teran (Member, Advisory Board, ISLP)
14	04:00 pm to 04:30 pm (30 min)	KEYNOTE ADDRESS Statistical Literacy and Chance by Prof. Milo Schield	Dr. Saleha Naghmi Habibullah (Conference Chair) (Deputy Director ISLP)
15	04:30 pm to 04:55 pm (25 min)	Feedback from Participants including Suggestions for IDSL 2026 (to be held on Tuesday, 17 November 2026)	Dr. Saleha Naghmi Habibullah (Conference Chair) (Deputy Director ISLP)
16	04:55 pm to 05:00 pm (5 min)	Closing Remarks by Dr. Saleha Naghmi Habibullah (Conference Chair)	(Deputy Director ISLP) Dr. Pedro Campos (Conference Vice-Chair)



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A large, light beige megaphone graphic is centered on the page. To its right is a stylized orange lightning bolt. The background features a faint world map and a line graph.

**CALL FOR
LIGHTNING
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ABSTRACTS**

**WANT TO GIVE A 4-TO-5-MINUTES-LONG TALK ON
STATISTICAL LITERACY? SEND YOUR ABSTRACT**

BY **OCTOBER 15, 2025 FOR CONSIDERATION BY THE
IDSL CHAIR AND VICE CHAIR. AUTHORS OF SELECTED TALKS
WILL BE NOTIFIED BY OCTOBER 30, 2025.**

islp.coordination@gmail.com



INTERNATIONAL DAY OF STATISTICAL LITERACY 2025

Closing keynote

4:00 pm to 4:30 pm (UTC)

Statistical Literacy and Chance



Prof. Milo Schield

Fellow, American Statistical Association

Author of "Statistical Literacy: Critical Thinking
about Everyday Statistics."

Abstract: Statisticians commonly use 'probability' and 'likelihood' to describe statistical ratios. Both of these are members of the chance grammar family along with 'risk' and 'odds'. Chance grammar is designed to highlight the random outcome (the chance of rain; the odds of winning; the probability of Type 1 error) with little or no mention of the context. The failure to specify the context creates ambiguities in understanding. Chance grammar can confuse statistical educators. E.g., What is the chance that a head on the first flip of a fair coin is followed by a head on the second flip? Statisticians commonly use 'likely' and 'prevalent' to describe and compare statistical ratios. What is the difference? Note that "the car most likely to be stolen" is different from "the car most likely among those stolen". Finally, chance grammar can create the confusion of the inverse. "The chance of a positive test given that one has the disease" can be quite different from "the chance of having the disease given that one has tested positive"